

**Abstract**

Polypeptides or proteins comprising tissue inhibitor of mettaloproteinases-3 (TIMP3) or variants of TIMP3 can be used to substantially inhibit vascular endothelial growth factor (VEGF) binding to VEGF recptor-2 (VEGFR2/KDR/Flk-1)) without substantially inhibiting VEGF binding to VEGF receptor 1 (VEGFR1/Flt-1).

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